

With **iMETOS** LÔRAIN You Can:

- **Plan the work week** based on a localised weather forecast for your operations site
- **Plan your work day** based on the actual rain and temperature data and the daily weather forecast for your field
- **Plan your spray program** based on disease models and prediction and **check the quality of spray work online**
- **Plan your irrigation** based on ET-crop and predicted plant water use
- **Bring data** directly into your management software and Operations Center via automatic interface



Weather Forecasting



Disease Models



Water Management



Workforce Planning

BY USING THE PROPRIETARY INTELLIGENT SENSOR HANDLING, THE **iMETOS LÔRAIN PROVIDES VALUES OF:**

- **Leaf wetness** for disease forecast,
- **VPD and Delta T** for defining best weather for spraying (spray window),
- **Dew point** for frost prediction.

iMETOS LÔRAIN Applications

iMETOS LoRAIN is designed to be easily connected to an existing LoRa network. For remote situations without the availability of a commercially operated LoRa network Pessl Instruments partners will support you with a farm based LoRa network which enables you to install all available LoRa sensors.



Precipitation shown in our FieldClimate app

Cercospora beticola disease model



More information

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iMETOS LÔRAIN

5 MINUTES OF INSTALLING
FOR LIFETIME USAGE

Affordable, compact & easy-to-use precision farming equipment that lasts



METOS LoRAIN

Every farmer knows how much rainfall, temperature and relative humidity can vary from field to field. For measuring this data, Pessi Instruments is introducing **iMETOS LoRAIN**. Make use of modern communication infrastructures for work planning and disease management decision on your fields. **LoRaWAN communication** enables cost effective and timely monitoring of rainfall, actual temperature and relative humidity on your fields. With this data we can offer **spray weather monitoring, work force planning, models for disease risks and infection dates** for many crops, as well as produce a highly reliable **localised weather forecast** with MOS technology. Virtual sensors for wind speed and global radiation can be added to offer the information needed for intelligent and pro-active farming.



THE MOST ESSENTIAL SENSOR SET FOR YOUR FIELD - MEASURING TEMPERATURE, RELATIVE HUMIDITY AND RAINFALL



ALWAYS WITHIN THE ARM'S REACH WITH YOUR MOBILE PHONE



RISK MANAGEMENT - NEVER MISS THE SPRAY WINDOW, OVERUSE THE FERTILIZER OR LET THE DISEASE TAKE CONTROL OF YOUR FIELD AGAIN



EVERLASTING ENERGY SOURCE - NO BATTERY - WITH THE HELP OF THE LATEST TECHNOLOGY, THE DEVICE WORKS WHENEVER A MINIMUM OF SUNLIGHT IS AVAILABLE



IN CONSTANT TOUCH WITH YOUR FIELD BASED ON CLOSE TO REAL-TIME CONNECTIVITY



ONE-FOR-ALL PLATFORM THANKS TO COLLABORATION WITH LEADING INDUSTRY PROVIDERS



DEVELOPED WITH 35 YEARS OF EXPERIENCE IN UNDERSTANDING THE NEEDS OF THE USERS



WORKFORCE MANAGEMENT AND MACHINE PLATFORMS (JOHN DEERE OPERATIONS CENTER, DKE AND MANY MORE)



DATA SECURITY - ALL COLLECTED DATA BELONGS TO THE OWNER AND IS STORED FOR A LIFETIME



MINIMUM MAINTENANCE THANKS TO THE AUTO-CLEANING MECHANISM